



ALUMINUM SKIN WINDOW WALLS



ASHE MEMORIAL BUILDING, UNIVERSITY OF MIAMI
WATSON AND DEUTCHMAN architects and engineers
GUST K. NEWBURG CONSTRUCTION CO. contractors

ARTEX CORPORATION
SUMMERVILLE • SOUTH CAROLINA

ARTEX ALUMINUM WINDOWS

DOUBLE WEATHER-STRIPPED FOR AIR-CONDITIONED BUILDINGS



Maximum efficiency with surprising versatility is yours in Artex aluminum windows — designed especially for use in air-conditioned buildings, with or without accompanying Therm-Artex spandrels. Artex windows are available in an exceptionally wide variety of sizes to your specification. They meet your needs for project-out, out-swing, in-swing, project-in, vertical or horizontal pivot or fixed sash. Hopper vents are available with all types.

Hurricane tested and approved by the University of Miami Housing Research Laboratory, Artex windows are double weatherstripped for minimum air infiltration and maximum watertight security. Successfully proven in many installations, Artex is your answer to the need for heavy duty, trouble-free windows that cost no more to buy and less to install, that reduce heating and cooling expense and practically eliminate maintenance.

SERIES 500 (IN-SWING)



TOP HINGED



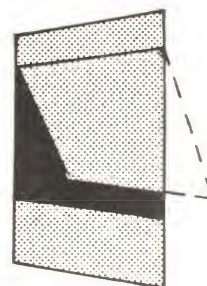
SIDE HINGED

SERIES 700



VERTICAL PIVOT

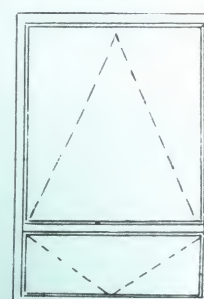
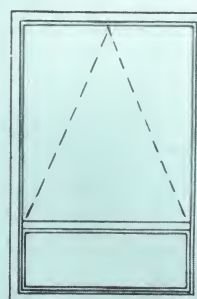
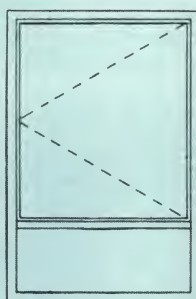
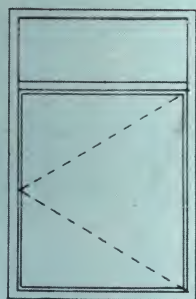
SERIES 900



PROJECT OUT

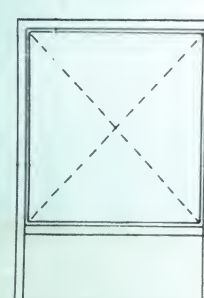
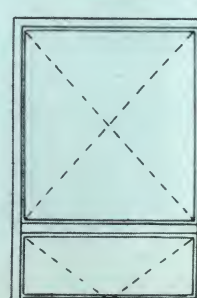
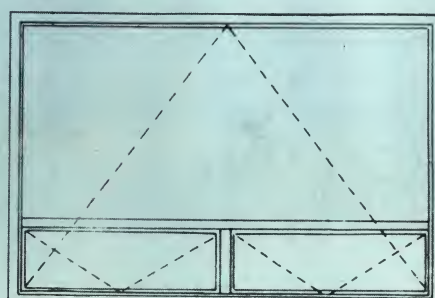
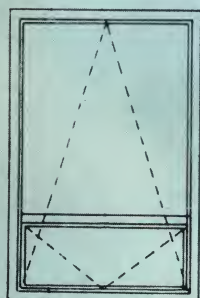
SIZE SCHEDULE

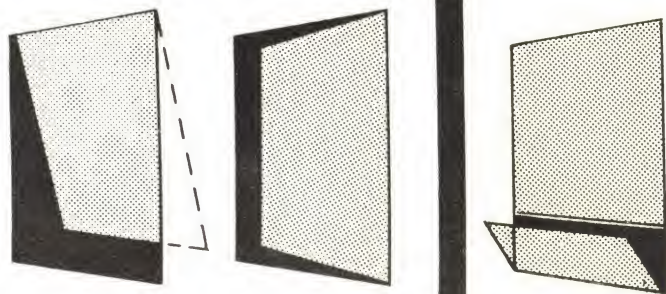
ARTEX SIDE HINGED, TOP HINGED & CENTER PIVOTED ALUMINUM WINDOWS



Maximum Sizes — Single Operating Unit

Series 500	In Swing, Side Hinged	: 4'-0" Wide x 7'-6"
Series 500	In Swing, Top Hinged	: 50 Square Feet
Series 700	Center Pivoted	: 50 Square Feet
Series 900	Project Out	: 20 Square Feet





TOP HINGED

SIDE HINGED

HOPPER VENT
ALL TYPES

WINDOW SPECIFICATIONS

(A) SERIES 500 — SIDE, TOP & BOTTOM HINGED IN-SWING AND OUT-SWING WINDOWS.

(B) SERIES 700 — VERTICALLY OR HORIZONTALLY CENTER PIVOTED REVERSIBLE WINDOWS.

MATERIALS — (A) & (B):

Window frames and ventilators shall be of 635-T5 extruded aluminum alloy having a minimum tensile strength of 22,000 p.s.i. The minimum thickness of all wall sections shall be 0.125". The minimum thickness of all web section shall be 0.187".

CONSTRUCTION — (A) & (B):

All corners shall be secured by mechanical means in such a manner that will develop the full strength of the sections attached. The mechanical method of joining shall be such that the members joined shall be in compression, one against the other, and shall develop a completely weather tight connection.

FASTENINGS — (A) & (B):

All fastenings used throughout the construction of the window shall be of aluminum or stainless steel. All fastenings for attaching anchors to the window shall be of aluminum or stainless steel.

HARDWARE — (A) & (B):

All hardware shall be of aluminum or stainless steel, of sufficient strength to perform the function for which intended, except that the following hardware components may be of other materials: Anchoring devices may be of zinc plated steel. Hinges shall be architectural bronze, dull zinc plated and lacquered, and equipped with stainless steel hinge pins. Exposed locking handles may be either aluminum or plated bronze. Friction stay bars shall be of plated bronze.

ACCESSORIES — (A):

Side hinged windows shall, when specified, be equipped with friction type stay bars for holding window in any open position. Bottom hinged windows shall be equipped with friction type stay bars for holding sash in any open position. Top hinged windows shall be furnished with (name quantity) ARTEX standard non-collapsible window jacks for holding ventilator in open position for cleaning. Center pivoted windows shall, when specified, be equipped with stay bars for holding sash in open position.

GLAZING BEADS — (A) & (B):

Shall be the inside semi-snap-on type so keyed that two screws at the head section are adequate for holding all beads in place.

STANDARD FINISH — (A) & (B):

The exposed surfaces of all aluminum members shall be cleaned to make them reasonably uniform in appearance and free from any surface blemishes or scratches.

ALTERNATE FINISH — (A) & (B):

The aluminum window members shall be Aluminized in accordance with Alcoa Finish No. 204.

PROTECTIVE COATING — (A) & (B):

A protective coating shall be applied to all window frame and sash members before leaving the factory. Before the protective coating is applied the aluminum surface shall be prepared so as to provide a good bonding base for the protective coating. The protective coating shall be a water-white methacrylate lacquer which will withstand the action of lime mortar for a period of 30 days in an atmosphere of 100% humidity at room temperature. NOTE: It is not necessary to remove this protective coating after erection of the windows.

WEATHERSTRIPPING — (A):

Double weatherstripping shall be provided. The outermost weatherstripping shall be of continuous tubular synthetic rubber, Goodrich "Koroseal" or equivalent. The innermost weatherstripping shall be permanent, all-wool resilient felt treated to render it waterproof, fungusproof and verminproof.

(B) Weatherstripping at the head, sill and jams shall be permanent, all-wool resilient felt treated to render it waterproof, fungusproof and verminproof.

LOCKING DEVICES — (A) & (B):

The sash shall be equipped with key type cam locks located as necessary to assure tight closure of the sash. The cam locks shall be adjustable in increments of 1/40". Lock operating keys shall be furnished for the use of maintenance personnel. Hopper vents shall be equipped with exposed permanent handle type cam locks having concealed adjustable keepers.

INFILTRATION — (A) & (B):

A 4'0" x 6'0" nominal size window shall be tested for air and water infiltration by the Housing Research Laboratory, University of Miami, Coral Gables, Florida, or other accredited testing laboratory. The duration of test shall be 12 minutes. A wind of at least 100 m.p.h. at maximum point shall be directed at the window for 10 minutes. Gust winds of 80 to 120 m.p.h. shall be directed at the window for 2 minutes. During the test water shall be continuously introduced into the air stream. The amount of water introduced shall be equivalent to a four (4) inch rainfall in the 12 minute interval. Under the above test conditions the window shall not leak more than an average of .09 gallon of water per minute and not more than 0.030 cubic feet of air per minute per foot of sash perimeter.

SHOP DRAWINGS — (A) & (B):

Before fabrication the manufacturer shall furnish detailed shop and installation drawings showing materials to be furnished for approval by the architect.

THERM ARTEX SPANDRELS

You can say goodbye to the time loss of laborious masonry wall construction and even to the lack of flexibility in conventional building panels when you specify Therm-Artex!

With Therm-Artex, inside and outside walls go up at the same time, and in a hurry. Panels are built to the exact dimensions of whatever style of fenestration you specify — our own Artex windows or any other.

Therm-Artex spandrels provide superior insulation qualities with less thickness for more useable floor space . . . "U" factors exceed those of all conventional masonry wall construction. And with Therm-Artex, you can let your imagination for color and appearance soar! Facings inside or out may be of any available porcelain enamel or any pattern of sheet aluminum. Diffusion of reflection is good and the perfectly flat Therm-Artex slab produces a depth of appearance resembling that of marble or masonry.



FONTAINEBLEAU HOTEL

MORRIS LAPIDUS
architect

TAYLOR CONSTRUCTION CO.
contractor



CORRIGAN BUILDING

WYATT C. HEDRICK
architect

HENRY C. BECK CO.
contractor



AINSLEY BUILDING

MORRIS LAPIDUS
architect

R. L. TURCHIN CONSTRUCTION CO.
contractor

NO WINDOW WALL JOB TOO BIG

Take the load off your shoulders as well as your walls! You can do it with Artex because you specify Artex as you like — the windows and spandrels by themselves, both together, or the complete job from design assistance through installation and glazing by our own expertly trained construction crews.

For savings in structural steel, in foundation costs, and in erection labor, plus knowledge of full reliability through undivided responsibility, specify Artex . . . the complete job by a single supplier!

Architects are invited to consult us for complete engineering data, design collaboration and costs.



ARTEX
CORPORATION

SUMMERVILLE • SOUTH CAROLINA

MIAMI, FLA. OFFICE: 6721 N.W. 36th AVE.